

Assignment - 4 A Job Ready Bootcamp in C++, DSA and IOT

Contents

Iterative Control Statements 2

Ques:1..... 2

Ques:2..... 2

Ques:3..... 2

Ques:4..... 3

Ques:5..... 3

Ques:6..... 3

Ques:7..... 4

Ques:8..... 4

Ques:9..... 4

Ques:10..... 5

Iterative Control Statements

Ques:1.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i=0;
    while(i<5)
    {
        printf("\nMySirG");
        i+=1;
    }
    getch();
    return 0;
}
```

Ques:2.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i=1;
    printf("First 10 natural numbers are: ");
    while(i<=10)
    {
        printf("%d ",i);
        i+=1;
    }
    getch();
    return 0;
}
```

Ques:3.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i=10;
    printf("First 10 natural numbers in reverse order are: ");
    do
    {
        printf("%d ",i);
        i--;
    }
    while(i>0);
    getch();
    return 0;
}
```

```
}
```

Ques:4.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i=1;
    printf("First 10 odd natural numbers are: ");
    while(i<=20)
    {
        printf("%d ",i);
        i=i+2;
    }
    getch();
    return 0;
}
```

Ques:5.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i=19;
    printf("First 10 odd natural numbers in reverse order are: ");
    do
    {
        printf("%d ",i);
        i=i-2;
    }
    while(i>0);
    getch();
    return 0;
}
```

Ques:6.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i=2;
    printf("First 10 even natural numbers are: ");
    while(i<=20)
    {
        printf("%d ",i);
        i=i+2;
    }
    getch();
}
```

```
    return 0;
}
```

Ques:7.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i=20;
    printf("First 10 even natural numbers in reverse order are: ");
    do
    {
        printf("%d ",i);
        i=i-2;
    }
    while(i>0);
    getch();
    return 0;
}
```

Ques:8.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i;
    printf("Squares of the first 10 natural numbers are:\n ");
    for(i=1;i<=10;i++)
    {
        printf("%d = %d \n ",i,i*i);
    }
    getch();
    return 0;
}
```

Ques:9.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i;
    printf("Cubes of the first 10 natural numbers is:\n ");
    for(i=1;i<=10;i++)
    {
        printf("%d = %d \n ",i,i*i*i);
    }
    getch();
    return 0;
}
```

```
}
```

Ques:10.

```
#include<stdio.h>
#include<conio.h>
int main()
{
    int i;
    printf("Table of 5:\n ");
    for(i=1; i<=10; i++)
    {
        printf("5*%d = %d \n ",i,i*5);
    }
    getch();
    return 0;
}
```